BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

ne of the work: Estimate for Maintenance of Cremotorium, Burial Ground and Office ntenance in Ward No. 10 (Doddabommasandra).

Estimate Cost: 250000.00

Description	Unit	No.	L	B	D	Qty	Rate	Amount
KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **Page No. 142 / Item No. 19.1, PWD SR 2016-17**	cum							
Cleaning of Burial Ground		1	8.00	4.00	0.20	6.40		
Basic Rate	82.00					**6.40**	88.56	**567.00**
Area Weightage @ 8%	6.56							
Total	**88.56**							
KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation, plinth and cills**, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.6 PWD SR 2016-17**	Cum							
Bed Concrete		1	12.00	0.45	0.15	0.81		
		1	17.00	0.45	0.15	1.15		
Basic Rate	5441.00					**1.96**	5876.28	**11503.00**
Area Weightage @ 8%	435.28							
Total	**5876.28**							
KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 **Page No. 25 / Item No. 5.26.2, PWD SR 2016-17**	Sqm							
		1	12.00		1.50	18.00		
		1	17.00		1.50	25.50		
Basic Rate	907.00					**43.50**	979.56	**42611.00**
Area Weightage @ 8%	72.56							
Total	**979.56**							
KSRB15-3.9 :Providing **18mm thick cement plaster in single coat with cement mortar 1:6,** to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 114 / Item No. 15.17, PWD SR 2016-17**	Sqm							

Description	Unit	No.	L	B	D	Qty	Rate	Amount
		1	5.80		2.40	13.92		
		1	1.90		2.40	4.56		
						18.48		
Deduction for Doors		0.5x4	0.75		2.10	3.15		
Ventilators		0.5x4	0.60		0.45	0.54		
						-3.69		
Basic Rate	198.00					**14.79**	213.84	**3163.00**
Area Weightage @ 8%	15.84							
Total	**213.84**							
KSRB 7.3 : Providing and fixing 1mm thick **M.S. sheet garage door** with frame and diagonal braces of size 40x40x6 mm angle Iron, 3.15mm thick M.S. Gusset plates at the junctions and corners, with handles, stoppers and locking arrangements etc., including applying a priming coat of red lead paint cost of materials, labour, HOM of machinery complete as per specifications. **Double leaf door of size 2.4x2.4m**. Specification No. KBS 7.9 / 7.12. **Page No. 31 / Item No. 7.3 / PWD SR 2016-17**	Sqm							
		2	0.75		2.10	3.15		
		1	0.90		2.10	1.89		
Basic Rate	2332.00					**5.04**	2471.92	**12458.00**
Area Weightage @ 6%	139.92							
Total	**2471.92**							
KSRB 7.7 : Providing and fixing in position in cement concrete 1:3:6 **steel glazed windows and ventilators** side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm. weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinerycomplete as ecifications and directions of engineer in charge of the work	Sqm							
Ventilators Toilet		1	0.60		0.45	0.27		
window shutters		1	0.90		1.20	1.08		
Basic Rate	3530.00					**1.35**	3741.80	**5051.00**
Area Weightage @ 6%	211.80							
Total	**3741.80**							

Description	Unit	No.	L	B	D	Qty	Rate	Amount
KSRB 15-14.1 : Providing and **applying two coats with oil bound washable distemper** of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. **Page No. 117 / Item No. 15.49.1, PWD SR 2016-17**	Sqm							
		3	6.00		4.80	86.40		
		3	7.40		3.60	79.92		
		1	8.60		3.50	30.10		
		2	6.00		5.00	60.00		
		1	7.80		5.00	39.00		
						295.42		
Deductions								
Doors		3	0.90		2.10	5.67		
Windows		9	0.90		1.20	9.72		
						-15.39		
Basic Rate	71.00					**280.03**	76.68	**21473.00**
Area Weightage @ 8%	5.68							
Total	**76.68**							
KSRB 15-16.1 : Providing and finishing **external walls in two coats with waterproof cement paint** of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. **Page No. 117 / Item No. 15.53.2, SR 2016-17.**	Sqm							
		1	19.00		3.70	70.30		
		2	5.30		3.70	39.22		
		1	23.20		3.70	85.84		
		2	4.10		3.70	30.34		
		1	9.10		3.70	33.67		
		2	4.00		3.70	29.60		
		1	20.80		3.70	76.96		
		2	5.50		3.70	40.70		
		2	12.70		4.00	101.60		
		2	8.00		4.00	64.00		
Basic Rate	84.00					**572.23**	90.72	**51913.00**
Area Weightage @ 8%	6.72							
Total	**90.72**							
KSRB 14.7-2 : Providing and laying **red oxide flooring 40 mm thick, with an under layer of 30mm thick M-15 cement concrete**, using broken granite metal of 12.5mm nominal size and top layer of 10mm thick plaster with 1:3 cement mortar mixed with red oxide (using 3.5 kg of red oxide per 50 kg of cement) finished with floating coat of neat cement mixed with red oxide (mix of same proportion) , including cost of materials, labour, curing, complete as per specifications. Specification No. KBS 14.3 **Page No. 102, Item No. 14.9, PWD SR 2016-17**	Sqm							
		1	9.00	2.50		22.50		
		1	6.50	2.50		16.25		
		1	2.00	2.00		4.00		

Description	Unit	No.	L	B	D	Qty	Rate	Amount
		1	2.80	7.80		21.84		
		1	3.00	5.00		15.00		
Basic Rate	578.00					79.59	624.24	49683.00
Area Weightage @ 8%	46.24							
Total	**624.24**							
KSRB 15-17.6 : **Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface** with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. **(P.No. 118, I.No. 15.60.1 of SR 2016-17).**	Sqm							
		3	0.90	2.10	2.25	12.76		
		7	0.90	2.10	2.25	29.77		
		1	0.90	2.10	2.25	4.25		
		1	1.20	2.30	2.25	6.21		
		1	0.90	1.20	2.25	2.43		
		1	0.90	1.20	2.25	2.43		
		3	0.90	1.20	2.25	7.29		
Basic Rate	84.00					65.14	90.72	5909.00
Area Weightage @ 8%	6.72							
Total	**90.72**							
KSRB 14.14-5: **Providing Ceramic tiles of approved make,shade and size for flooring**, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic **Tiles of size 30x30cms 6mm thick. Page No.106, Item No. 14.36.2, PWD SR 2016-17**	Sqm							
Flooring		4	1.20	1.50		7.20		
Basic Rate	1176.00					7.20	1270.08	9145.00
Area Weightage @ 8%	94.08							
Total	**1270.08**							
KSRB 14-17.2 : **Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3** and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 - Colour glazed tiles 30x60 cms 6mm thick with border of **size 30 x 10 cms**. **Page No.106, Item No. 14.41.2 PWD SR 2016-17**	Sqm							
		2	1.20	2.10		5.04		
		2	1.50	2.10		6.30		
Deduction of Doors		2	0.75	2.10		-3.15		
Ventilator		2	0.60	0.45		-0.54		
Basic Rate	1484.00					7.65	1602.72	12261.00
Area Weightage @ 8%	118.72							
Total	**1602.72**							

Description	Unit	No.	L	B	D	Qty	Rate	Amount
KSRB 11-1 : Providing and fixing white vitreous china clay, water closet **Indian type** (Squatting pan) of size 580mm with footrests, 100mm S or P trap, 10 litre low level, P.V.C **flushing cistern** (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 **Page No. 77 / Item No. 12.1 / PWD SR 2016-17**	pan	4				4	3730.32	**14921.00**
Basic Rate	3454.00							
Area Weightage @ 8%	276.32							
Total	**3730.32**							
KSRB 11-11.1 : **Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm** with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 **Page No. 80, Item No. 12.23, PWD SR 2016-17**	Unit	2				2	4196.88	8394.00
Basic Rate	3886.00							
Area Weightage @ 8%	310.88							
Total	**4196.88**							
Sub Total								249052.00
Miscellaneous and other Charges	L/S							948.00
							Total	250000.00

#NAME?

ADMINISTRATIVE APPROVAL
Accorded For Rs. Two lakhs fifty thousand only
Head of A/c P-3291
Div. Ref. No. 53 Date 01/02/19
AE 01/02 EE(BTP) 01/02

TECHNICAL SANCTION
Accorded For Rs. Two lakhs fifty thousand only
Head of A/c P-3291
Div. Ref. No. 83 Date 01/02/19
AE 01/02 EE(BTP) 01/02

IFICATE:

The work spot has been inspected and the work is found necessary.
This estimate is prepared as per PWD SR of 2016-17.
The provisions were made in this estimate are necessary and adequate.
This works come under B.B.M.P. limits.

Sunitha N K
Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidayranyapura Sub Division

01/02
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
01/02